

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P19850Serial No.
09/779,447INFORMATION DISCLOSURE STATEMENT
BY APPLICANT
(Use several sheets if necessary)Applicant
BANERJEE et al.Filing Date
February 9, 2001Group
1614

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
H0	5 7 6 6 5 9 1	06/16/98	BROOKS et al.			
H0	5 7 6 0 0 2 8	06/02/98	JADHAV et al.			
H0	5 7 6 0 0 2 9	06/02/98	JADHAV et al.			
H0	6 1 3 0 2 3 1	10/10/00	WITYAK et al.			
H0	6 0 9 6 7 3 0	08/01/00	COLLINS et al.			
H0	6 1 6 0 1 6 6	12/12/00	COLLINS et al.			
H0	6 1 4 6 8 2 4	11/14/00	BAR-SHAVIT			
H0	1 5 0 4 0 7	11/21/00	TUSÉ et al.			
H0	3 8 2 5 1 4	01/17/95	PASSANITI et al.			
H0	5 9 9 4 3 0 9	11/30/99	MAZAR et al.			
H0	5 8 5 4 2 0 5	12/29/98	O'REILLY et al.			
H0	5 8 3 7 6 8 2	11/17/98	FOLKMAN et al.			
H0	5 9 4 5 4 0 3	08/31/99	FOLKMAN et al.			
H0	6 0 2 4 6 8 8	02/15/00	FOLKMAN et al.			
H0	6 1 1 4 3 5 5	09/05/00	D'AMATO			
H0	5 9 8 5 8 3 9	11/16/99	DUPONT et al.			
H0	5 8 3 0 8 8 0	11/03/98	SEDLACEK et al.			
	4 6 7 0 3 9 4	06/02/87	POLLARD et al.			
H0	5 6 2 9 3 4 0	05/13/97	KUWANO et al.			
H0	5 8 0 7 7 3 1	09/15/98	VAN MEIR et al.			
H0	5 9 3 2 6 1 1	08/03/99	WUTHIER et al.			
H0	5 9 8 1 4 7 1	11/09/99	PAPATHANASSIU et al.			
H0	6 0 5 1 2 3 0	04/18/00	THORPE et al.			
H0	6 1 2 1 2 3 6	09/19/00	BEN-SASSON			
H0	6 1 5 3 6 0 3	11/28/00	SIRÉN			

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P19850	Serial No. 09/779,447
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant BANERJEE et al.	
				Filing Date February 9, 2001	Group 1614
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
	1	BANERJEE, "Angiogenesis: Characterization of a Cellular Model", <u>Puerto Rico Hlth. Sci. J.</u> , 17:327-333 (publication date unknown).			
	2	COCKERILL et al., "Angiogenesis: Model and Modulators", <u>Int Rev Cytol</u> , 159: 113-160 (1995).			
	3	FOLKMAN et al., "Angiogenesis", <u>J Biol Chem</u> , 267:10931-10934 (1992).			
	4	BECK et al., "Vascular Development: Cellular and Molecular Regulation", <u>FASEB J.</u> , 11:365-373 (1997).			
	5	BUSSOLINO et al., "Molecular Mechanisms of Blood Vessel Formation", <u>TIBS</u> , 22:251-256 (1997).			
	6	FOLKMAN et al., "Induction of Angiogenesis During the Transition from Hyperplasia to Neoplasia", <u>Nature</u> , 339: 58-61 (1989).			
	7	FRIEDLANDER et al., "Definition of Two Angiogenic Pathways by Distinct α_v Integrins", <u>Science</u> , 270:1500-1502 (1995).			
	8	LIOTTA et al., "Cancer Metastasis and Angiogenesis: an Imbalance of Positive and Negative Regulation", <u>Cell</u> , 64:327-336 (1991).			
	9	SACLARIDES et al., "Tumor Angiogenesis and Rectal Carcinoma", <u>Dis. Colon Rectum</u> , 37:921-926 (1994).			
	10	SHWEIKI et al., "Patterns of Expression of Vascular Endothelial Factor (VEGF) and VEGF Receptors in Mice Suggest a Role in Hormonally Regulated Angiogenesis", <u>J. Clin. Invest.</u> , 91:2235-2243 (1993).			
	11	VARTANIAN et al., "Correlation of Intratumoral Endothelial Cell Proliferation with Microvessel Density (Tumor Angiogenesis) and Tumor Cell Proliferation in Breast Carcinoma", <u>Am. J. Pathol.</u> , 144:1188-1194 (1994).			
	12	FOLKMAN et al., "Angiogenic Factors", <u>Science</u> , 235:442-447 (1987).			
	13	FURCHT, "Critical Factors Controlling Angiogenesis: Cell Products, Cell Matrix, and Growth Factors", <u>Lab. Invest.</u> , 55:505-509 (1986).			
	14	DENEKAMP, "Angiogenesis, Neovascular Proliferation and Vascular Pathophysiology as Targets for Cancer Therapy", <u>Br. J. Radiol.</u> , 66:181-196 (1993).			
	15	NICOLSON, "Cancer Metastasis", <u>Sci. Am.</u> , 240:66-76 (1979).			
	16	NAGY et al., "Pathogenesis of Tumor Stroma Generation: a Critical Role for Leaky Blood Vessels and Fibrin Deposition", <u>Biochim Biophys. Acta</u> , 948:305-326 (1989).			
EXAMINER <i>[Signature]</i>				DATE CONSIDERED <u>4/9/03</u>	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P19850	Serial No. 09/779,447
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant BANERJEE et al.	
				Filing Date February 9, 2001	Group 1614
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
Ho	1	7	MOSCATELLI et al., "Angiogenic Factors Stimulate Plasminogen Activator and Collagenase Production by Capillary Endothelial Cells", <u>J. Cell Biol.</u> , 91:201a (1981).		
Ho	1	8	LIOTTA et al., "The Significance of Hematogenous Tumor Cell Clumps in the Metastatic Process", <u>Cancer Res.</u> , 36:889-894 (1976);		
Ho	1	9	FOLKMAN, "Tumor Angiogenesis: Therapeutic Implications", <u>N. Engl. J. Med.</u> , 285:1182-1186 (1971).		
		0	FOLKMAN, "Clinical Applications of Research on Angiogenesis", <u>N. Engl. J. Med.</u> , 333:1757-1763 (1995).		
		1	HARRIS et al., "Gene Therapy Through Signal Transduction Pathways and Angiogenic Growth Factors as Therapeutic Targets in Breast Cancer", <u>Cancer</u> , 74:1021-1025 (1994).		
Ho	2	2	INGBER et al., "Synthetic Analogues of Fumagillin that Inhibit Angiogenesis and Suppress Tumor Growth", <u>Nature</u> , 348:555-557 (1990).		
Ho	2	3	HORI et al., "Suppression of Solid Tumor Growth by Immunoneutralizing Monoclonal Antibody Against Human Basic Fibroblast Growth Factor", <u>Cancer Res.</u> , 51:6180-6184 (1991).		
Ho	2	4	KIM et al., "Inhibition of Vascular Endothelial Growth Factor-induced Angiogenesis Suppresses Tumor Growth <i>in vivo</i> ", <u>Nature</u> , 362:841-844 (1993).		
Ho	2	5	MILLAUEER et al., "Glioblastoma Growth Inhibited <i>in vivo</i> by a Dominant-negative Flk-1 Mutant", <u>Nature</u> , 367:576-579 (1994).		
Ho	2	6	BROOKS et al., "Integrin $\alpha\beta 3$ Antagonists Promote Tumor Regression by Inducing Apoptosis of Angiogenic Blood Vessels", <u>Cell</u> , 79:1157-1164 (1994).		
Ho	2	7	RAK et al., "Progressive Loss of Sensitivity to Endothelium-derived Growth Inhibitors Expressed by Human Melanoma Cells during Disease Progression", <u>J. Cell Physiol.</u> , 159:245-255 (1994).		
Ho	2	8	HAMADA et al., "Separable Growth and Migration Factors for Large-cell Lymphoma Cells Secreted by Microvascular Endothelial Cells Derived from Target Organs for Metastasis", <u>Br. J. Cancer</u> , 66:349-354 (1992).		
Ho	2	9	FOX et al., "High Levels of uPA and pA-1 are Associated with Highly Angiogenic Breast Carcinomas", <u>J. Pathol.</u> , 170:388a (1993).		
Ho	3	0	POLVERINI et al., "Induction of Neovascularization <i>in vivo</i> and Endothelial Proliferation <i>in vitro</i> by Tumor Associated Macrophages", <u>Lab. Invest.</u> , 51:635-642 (1984).		
EXAMINER <i>Edward Chua</i>				DATE CONSIDERED <i>4-8-03</i>	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P19850	Serial No. 09/779,447
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant BANERJEE et al.	
				Filing Date February 9, 2001	Group 1614
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
Ho	3	1	FRATER-SCHRODER et al., "Tumor Necrosis Factor Type α , a Potent Inhibitor of Endothelial Cell Growth <i>in vitro</i> , is Angiogenic <i>in vivo</i> ", <u>Proc. Natl. Acad. Sci (USA)</u> , 84:5277-5281 (1987).		
Ho	3	2	SCHREIBER et al., "Transforming Growth Factor- α : a More Potent Angiogenic Mediator than Epidermal Growth Factor", <u>Science</u> , 232:1250-1253 (1986);		
Ho	3	3	HOCKEL et al., "Purified Monocyte-derived Angiogenic Substance (Angiotropin) Induces Controlled Angiogenesis Associated with Regulated Tissue Proliferation in Rabbit Skin", <u>J. Clin. Invest.</u> , 82:1075-1090 (1988).		
Ho	3	4	KESSLER et al., "Mast Cells and Tumor Angiogenesis", <u>Intern. J. Can.</u> , 18:703-709 (1976); <i>illegible copy</i>		
Ho	3	5	THORNTON et al., "Human Endothelial Cells: Use of Heparin in Cloning and Long-term Serial Cultivation", <u>Science</u> , 222:623-625 (1983).		
Ho	3	6	DETHLEFSEN et al., "Tumor Growth and Angiogenesis in Wild Type and Mast Cell Deficient Mice", <u>FASEB J.</u> , 4:A623 (1990).		
Ho	3	7	KANDEL et al., "Neovascularization is Associated with a Switch to the Export of bFGF in the Multistep Development of Fibrosarcoma", <u>Cell</u> , 66:1095-1104 (1991).		
Ho	3	8	NGUYEN et al., "Elevated Levels of the Angiogenic Peptide Basic Fibroblast Growth Factor in Urine of Bladder Cancer Patients", <u>J. Natl. Cancer Inst.</u> , 85:241-242 (1993).		
Ho	3	9	BROWN et al., "Increased Expression of Vascular Permeability Factor (Vascular Endothelial Growth Factor) and its Receptors in Kidney and Bladder Carcinomas", <u>Am J. Pathol.</u> , 143:1255-1262 (1993).		
Ho	4	0	GOTO et al., "Synergistic Effects of Vascular Endothelial Growth Factor and Basic Fibroblast Growth Factor on the Proliferation and Cord Formation of Bovine Capillary Endothelial Cells within Collagen Gels", <u>Lab. Invest.</u> , 69:508-517 (1993).		
Ho	4	1	LEIBOVICH et al., "Production of Angiogenic Activity by Human Monocytes Requires an L-arginine/nitric oxide-synthase-dependent Effector Mechanism", <u>Proc. Natl. Acad. Sci (USA)</u> , 91:4190-4194 (1994).		
EXAMINER			DATE CONSIDERED		
Howard Brown			4-8-03		
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P19850	Serial No. 09/779,447
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant BANERJEE et al.	
				Filing Date February 9, 2001	Group 1614
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
<i>Ho</i>	4	2	'BANERJEE, "Microenvironment of Endothelial Cell Growth and Regulation of Protein N-glycosylation", <u>Indian J. Biochem. Biophys.</u> , 25:8-13 (1988);		
<i>Ho</i>	4	3	'BANERJEE et al., "Biphasic Estrogen Response on Bovine Adrenal Medulla Capillary Endothelial Cell Adhesion, Proliferation and Tube Formation", <u>Mol. Cell Biochem.</u> , 177:97-105 (1997).		
<i>Ho</i>	4	4	'BOND et al., "Replacement of Residues of 8-22 of Angiogenin with 7-21 of RNase A Selectively Affects Protein Synthesis Inhibition and Angiogenesis", <u>Biochemistry</u> , 29:3341-3349 (1990).		
<i>Ho</i>	5	5	'BOUCK et al., "Coordinate Control of Anchorage Independence, Actin Cytoskeleton and Angiogenesis by Human Chromosome 1 in Hamster-human Hybrids", <u>Cancer Res.</u> , 46:5101-5105 (1986).		
<i>Ho</i>	4	6	'RASTINEJAD et al., "Regulation of the Activity of a New Inhibitor of Angiogenesis by a Cancer Suppressor Gene", <u>Cell</u> , 56:345-355 (1989).		
<i>Ho</i>	4	7	'ZAJCHOWSKI et al., "Suppression of Tumor-forming Ability and Related Traits in MCF - 7 Human Breast Cancer Cells by Fusion with Immortal Mammary Epithelial Cells", <u>Proc. Natl. Acad. Sci (USA)</u> , 87:2314-2318 (1990).		
<i>Ho</i>	4	8	'O'REILLY et al., "Angiostatin: A Novel Angiogenesis Inhibitor that Mediates the Suppression of Metastases by a Lewis Lung Carcinoma", <u>Cell</u> , 79:315-328 (1994).		
<i>Ho</i>	4	9	'BERGERS et al., "Effects of Angiogenesis Inhibitors on Multistage Carcinogenesis in Mice", <u>Science</u> , 284:808-812 (1999).		
<i>Ho</i>	5	0	'BROOKS et al., "Requirement of Vascular Integrin $\alpha_v\beta_3$ for Angiogenesis", <u>Science</u> , 264:569-571 (1994).		
<i>Ho</i>	5	1	'HANAHAHAN et al., "Patterns and Emerging Mechanisms of the Angiogenic Switch During Tumorigenesis", <u>Cell</u> , 86:353-364 (1996).		
<i>Ho</i>	5	2	'NGUYEN et al., "1-Deoxymannojirimycin Inhibits Capillary Tube Formation <i>in vitro</i> , Analysis of N-linked Oligosaccharides in Bovine Capillary Endothelial Cells", <u>J. Biol. Chem.</u> , 267:26157-26165 (1992).		
<i>Ho</i>	5	3	'PILI et al., "The α -glucosidase I Inhibitor Castanospermine Alters Endothelial Cell Glycosylation, Prevents Angiogenesis, and Inhibits Tumor Growth", <u>Cancer Res.</u> , 55:2920-2926 (1995).		
<i>Ho</i>	5	4	'BANERJEE et al., "Is Asparagine-Linked Protein Glycosylation an Obligatory Requirement for Angiogenesis?", <u>Indian J. Biochem. Biophys.</u> , 30:389-394 (1993).		
EXAMINER <i>Howard Owen</i>			DATE CONSIDERED <i>4-8-03</i>		
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P19850	Serial No. 09/779,447
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant BANERJEE et al.	
				Filing Date February 9, 2001	Group 1614
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
	5	5	* NGUYEN et al., "A Role of Sialyl Lewis-X/A Glycoconjugates in Capillary Morphogenesis", <u>Nature</u> , 365:267-269 (1993).		
Ho	5	6	* ELBEIN, "Inhibitors of the Biosynthesis and Processing of N-linked Oligosaccharide Chains", <u>Ann. Rev. Biochem.</u> , 56:497-534 (1987).		
	5	7	* TIGANIS et al., "Functional and Morphological Changes Induced by Tunicamycin in Dividing and Confluent Endothelial Cells", <u>Exp. Cell Res.</u> , 198:191-200 (1992).		
		8	* CHAPMAN et al., "Structure of the Lipid-linked Oligosaccharides that Accumulate in Class E <i>thy-1</i> -negative Mutant Lymphomas", <u>Cell</u> , 17:509-515 (1979).		
Ho	5	9	* BANERJEE et al., "Amphomycin: Effect of the Lipopeptide Antibiotic on the Glycosylation and Extraction of Dolichyl Monophosphate in Calf Brain Membranes", <u>Biochemistry</u> , 20:1561-1568 (1981).		
Ho	6	0	* BANERJEE, "Amphomycin Inhibits Mannosylphosphoryldolichol Synthesis by Forming a Complex with Dolichylmonophosphate", <u>J. Biol. Chem.</u> , 264:2024-2028 (1989).		
Ho	6	1	* BANERJEE, "A Recent Approach to the Study of Dolichyl Monophosphate Topology in the Rough Endoplasmic Reticulum", <u>Acta Biochimica Polonica</u> , 41:275-280 (1994).		
Ho	6	2	* BANERJEE et al., "Endothelial Cells from Bovine Adrenal Medulla Develop Capillary-like Growth Patterns in Culture", <u>Proc. Natl. Acad. Sci. USA</u> , 82:4702-4706 (1985).		
Ho	6	3	* BANERJEE et al., "Microvascular Endothelial Cells from Bovine Adrenal Medulla - A Model for <i>in vitro</i> Angiogenesis", <u>Angiogenesis: Models, Modulators and Clinical Applications</u> , pp. 7-18 (1998).		
Ho	6	4	* KORNFELD et al., "Assembly of Asparagine-Linked Oligosaccharides", <u>Annu Rev Biochem</u> , 54:631-664 (1985).		
Ho	6	5	* HEINEMANN et al., "Amphomycin, a New Antibiotic", <u>Antibiot. Chemother.</u> , 3:1239-1242 (1953);		
Ho	6	6	* BODANSZKY et al., "Structure of the Peptide Antibiotic Amphomycin", <u>J. Am. Chem. Soc.</u> , 95:2352-2357 (1973).		
Ho	6	7	* BANERJEE, "Amphomycin: A Tool to Study Protein N-glycosylation", <u>J. Biosci.</u> , 11:311-319 (1987).		
Ho	6	8	* BANERJEE et al., "Monoclonal Antibody to Amphomycin. A Tool to Study the Topography of Dolichol Monophosphate in the Membrane", <u>Carbohydr. Res.</u> , 236:301-313 (1992).		
Ho	6	9	* BANERJEE et al., "cAMP-Mediated Protein Phosphorylation of Microsomal Membranes Increases Mannosylphosphodolichol Synthase Activity", <u>Proc Natl Acad Sci (USA)</u> , 84:6389-6393 (1987).		
EXAMINER			DATE CONSIDERED		
H. J. Deane			4-8-03		
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P19850	Serial No. 09/779,447
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant BANERJEE et al.	
				Filing Date February 9, 2001	Group 1614
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
HO	7	0	'ELIAS et al., "Direct Arterial Vascularization of Estrogen-Induced Prolactin-Secreting Anterior Pituitary Tumors", <u>Proc Natl Acad Sci (USA)</u> , 81:4549-4553 (1984).		
HO	7	1	'DAS et al., " β -adrenoreceptors of Multiple Affinities in a Clonal Capillary Endothelial Cell Line and its Functional Implication", <u>Mol. Cell. Biochem.</u> , 140:49-54 (1994).		
HO	7	2	'BANERJEE et al., "Protein Kinase Type I Regulates GDP-mannose:dolichylphosphate-O- β -D-mannosyltransferase in the ER", <u>FASEB J</u> , 9:1361a (1995).		
HO	7	3	'COLUSSI et al., "Human and <i>Saccharomyces cerevisiae</i> Dolichol Phosphate Mannose Synthases Represent Two Class of the Enzyme, but both Function in <i>Schizosaccharomyces pombe</i> ", <u>Proc Natl Acad Sci (USA)</u> , 94: 7873-7878 (1997).		
HO	7	4	'ORLEAN et al., "Cloning and Sequencing of the Yeast Gene for Dolichol Phosphate Mannose Synthase, an Essential Proteins", <u>J. Biol. Chem.</u> , 263:17499-17507 (1988).		
HO	7	5	'MAZHARI-TABRIZI et al., "Cloning and Functional Expression of Glycosyltransferases from Parasitic Protozoans by Heterologous Complementation in Yeast: the Dolichol Phosphate Mannose Synthase from <i>Trypanosoma brucei brucei</i> ", <u>Biochem. J.</u> , 316:853-858 (1996).		
HO	7	6	'BANERJEE, "Regulation of Mannosylphosphoryldolichol Synthase Activity by cAMP-dependent Protein Phosphorylation", <u>Highlights of Modern Biochemistry</u> , pp. 379-388 (1989).		
HO	7	7	'BANERJEE et al., " <i>In vitro</i> Phosphorylation of Recombinant Dol-P-Man Synthase from <i>S. cerevisiae</i> Enhances its Activity", <u>FASEB J</u> , 12:A1363 (1998).		
HO	7	8	'CARRASQUILLO et al., "Serine 141 is Essential for Dol-P-Man Synthase Activity in <i>S. cerevisiae</i> ", <u>Glycobiology</u> , 8:93a (1998).		
HO	7	9	'WALKER et al., "A Functional Link Between N-linked Glycosylation and Apoptosis in Chinese Hamster Ovary Cells", <u>Biochem. Biophys. Res. Commun.</u> , 250:264-270 (1998).		
EXAMINER <i>Howard Davis</i>			DATE CONSIDERED <i>4-8-03</i>		
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P19850	Serial No. 09/779,447
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant BANERJEE et al.	
				Filing Date February 9, 2001	Group 1614
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
Ho	8	0	'ROSENWALD et al., "Control of Carbohydrate Processing: Increased β 1,6-branching in N-linked Carbohydrates of Lec9 CHO Mutants Appears to Arise from a Defect in Oligosaccharide-dolichol Synthesis", <u>Mol. Cell. Biol.</u> , 9:914-924 (1989).		
Ho	8	1	'YUE et al., "2-Methoxyestradiol, an Endogenous Estrogen Metabolite, Induces Apoptosis in Endothelial Cells and Inhibits Angiogenesis: Possible Role for Stress Activated Protein Kinase Signaling Pathway and Fas Expression", <u>Molecular Pharmacology</u> , Vol. 51, pp. 951-962 (1997).		
Ho	8	2	'GUO et al., "Thrombospondin 1 and Type I Repeat Peptides of Thrombospondin 1 Specifically Induce Apoptosis of Endothelial Cells", <u>Cancer Research</u> , 57:1735-1743 (1997).		
Ho	8	3	'PAHL, "Signal Transduction from the Endoplasmic Reticulum to the Cell Nucleus", <u>Physiol. Rev.</u> , 79:683-701 (1999).		
Ho	8	4	'REDDY et al., "Assembly, Sorting and Exit of Oligomeric Proteins from the Endoplasmic Reticulum", <u>BioEssays</u> , 20:546-554 (1998).		
Ho	8	5	'WANG et al., "Signals from the Stressed Endoplasmic Reticulum Induce C/EBP-homologous Protein (CHOP/GADD153)", <u>Mol. Cell. Biol.</u> , 16:4273-4280 (1996).		
Ho	8	6	'WANG et al., "Cloning of Mammalian Ire1 Reveals Diversity in the ER Stress Responses", <u>EMBO J.</u> , 17:5708-5717 (1998).		
Ho	8	7	'HARDING et al., "Protein Translation and Folding are Coupled by an Endoplasmic-reticulum-resident Kinase", <u>Nature</u> , 397:271-274 (1999).		
Ho	8	8	'BREWER et al., "Mammalian Unfolded Protein Response Inhibits Cyclin D1 Translation and Cell-cycle Progression", <u>Proc. Natl. Acad. Sci (USA)</u> , 96:8505-8610 (1999).		
Ho	8	9	'NAKAGAWA et al., "Caspase-12 Mediates Endoplasmic-reticulum-Specific Apoptosis and Cytotoxicity by Amyloid- β ", <u>Nature</u> , 403:98-103 (2000).		
Ho	9	0	'POUYSEGUR et al., "Induction of Two Transformation-sensitive Membrane Polypeptides in Normal Fibroblasts by a Block in Glycoprotein Synthesis or Glucose Deprivation", <u>Cell</u> , 11:941-947 (1977).		
EXAMINER <i>Howard Jones</i>				DATE CONSIDERED 4-8-03	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P19850	Serial No. 09/779,447
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant BANERJEE et al.	
				Filing Date February 9, 2001	Group 1614
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
<i>Ho</i>	9	1	'SHIU et al., "Glucose Depletion Accounts for the Induction of Two Transformation-sensitive Membrane Proteins in Rous Sarcoma Virus-transformed Chick Embryo Fibroblasts", <u>Proc. Natl. Acad. Sci. (USA)</u> 74:3840-3844 (1977).		
<i>Ho</i>	9	2	'PELUSO et al., "Infection with Paramyxoviruses Stimulates Synthesis of Cellular Polypeptides that are also Stimulated in Cells Transformed by Rous Sarcoma Virus or Deprived of Glucose", <u>Proc. Natl. Acad. Sci. (USA)</u> , 75:6120-6124 (1978).		
<i>Ho</i>	9	3	'GETHING et al., "Protein Folding in the Cell", <u>Nature</u> , 355:33-45 (1992).		
<i>Ho</i>	9	4	'PAHL et al., "A Novel Signal Transduction Pathway from the Endoplasmic Reticulum to the Nucleus is Mediated ; by Transcription Factor NF-kappa B", <u>EMBO J.</u> , 14:2580-2588 (1995).		
<i>Ho</i>	9	5	'WATOWICH et al., "Complex Regulation of Heat Shock- and Glucose-responsive Genes in Human Cells", <u>Mol Cell Biol.</u> , 8:393-405 (1988).		
<i>Ho</i>	9	6	'DUKSIN et al., "Relationship of the Structure and Biological Activity of the Natural Homologues of Tunicamycin", <u>J. Biol. Chem.</u> , 257:3105-3109 (1982).		
<i>Ho</i>	9	7	'MAHESHWARI et al., "Interferon Treatment Inhibits Glycosylation of a Viral Protein", <u>Nature</u> , 287:454-456 (1980).		
<i>Ho</i>	9	8	'MARTÍNEZ et al., "Tunicamycin Inhibits Capillary Endothelial Cell Proliferation by Inducing Apoptosis", <u>Angiogenesis: From the Molecular to Integrative Pharmacology</u> , abstract (2000).		
<i>Ho</i>	9	9	'MARTÍNEZ et al., "N-glycosylation Inhibition on Endothelial Cell Proliferation and Viability", <u>FASEB J.</u> , 12:231a (1998).		
<i>Ho</i>	10	0	'YUDIM et al., "Isolated Chromaffin Cells from Adrenal Medulla Contain Primarily Monoamine Oxidase B", <u>Science</u> , 224:619-621 (1984).		
<i>Ho</i>	10	1	'YUDIM et al., "Steroid Regulation of Monoamine Oxidase Activity in the Adrenal Medulla", <u>FASEB J.</u> , 3:1753-1759 (1989).		
<i>Ho</i>	10	2	'BANERJEE et al., "Expression of Blood Clotting Factor VIII:C Gene in Capillary Endothelial Cells", <u>FEBS Letts.</u> , 306:33-37 (1992).		
<i>Ho</i>	10	3	'MARTÍNEZ et al., "Expression of GLC ₃ Man ₉ GNAC ₂ -PP-Dol is a Prerequisite for Capillary Endothelial Cell Proliferation", <u>Cell Molec. Biol.</u> , 45:137-152 (1999).		
EXAMINER <i>Edward Jones</i>				DATE CONSIDERED <i>4-8-03</i>	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

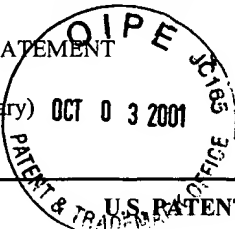
Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P19850	Serial No. 09/779,447
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant BANERJEE et al.	
				Filing Date February 9, 2001	Group 1614
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
<i>Ho</i>	10	4	'CAO et al., "Modified Method of Mammalian Cell Synchronization Improves Yield and Degree of Synchronization", <u>Exp. Cell Res.</u> , 193:405-410 (1991).		
<i>Ho</i>	10	5	'MILLONIG, "Advantages of a Phosphate Buffer for Osmium Tetroxide Solutions in Fixation", <u>J. Appl. Physics</u> , 32:1637 (1961).		
<i>Ho</i>	10	6	'KRISHAN, "Rapid Flow Cytofluorometric Analysis of Mammalian Cell Cycle by Propidium Iodide Staining", <u>J. Cell Biol.</u> , 66:188-193 (1975).		
<i>Ho</i>	10	7	'FIORELLI et al., "Cytokines from Activated T Cells Induce Normal Endothelial Cells to Acquire the Phenotypic and Functional Features of AIDS-Kaposi's Sarcoma Spindle Cells", <u>J. Clin. Invest.</u> , 95:1723-1734 (1995).		
<i>Ho</i>	10	8	'GRANVILLE et al., "Apoptosis: Molecular Aspects of Cell Death and Disease", <u>Lab. Invest.</u> , 78:893-913 (1998).		
<i>Ho</i>	10	9	'MARTÍNEZ et al., "cAMP Blocks Apoptosis during Tunicamycin-induced Inhibition of Angiogenesis <i>in vitro</i> ", <u>FASEB Journal</u> , 13:600 (1999).		
<i>Ho</i>	11	0	'MARTÍNEZ et al., "cAMP Rescues Unfolded Protein Response of Tunicamycin and Restores Cell-cycle Progression", <u>FASEB Journal</u> , 14:1308 (2000).		
<i>Ho</i>	11	1	'"OSI Pharmaceuticals Announces Initiation of Phase I Clinical Trial for Anti-Angiogenesis Agent", Press Release (2000).		
<i>Ho</i>	11	2	'MARTÍNEZ et al., "Tunicamycin Inhibits Capillary Endothelial Cell Proliferation by Inducing Apoptosis", <u>Angiogenesis: From the Molecular to Integrative Pharmacology</u> , 197-208 (2000).		
<i>Ho</i>	11	3	'MARTÍNEZ et al., "Tunicamycin Inhibits Angiogenesis by ER Stress", <u>Glycobiology</u> , 10:1131 (2000).		
<i>Ho</i>	11	4	'BANERJEE et al., "Mannosylphosphodolichol Synthase Activity is Associated with a 32 kDa Phosphoprotein", <u>Bioscience Reports</u> , 19:169-177 (1999).		
<i>Ho</i>	11	5	'Boehringer Mannheim Corporation, Tunicamycin Data Sheet.		
EXAMINER <i>David Jones</i>			DATE CONSIDERED <i>4-8-03</i>		
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

3/4

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P19850Serial No.
09/779,447INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

Applicant
Dipak K. BARNERJEE et al.Filing Date
February 9, 2001Group
1614

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

2/0	1	DVORAK et al., <u>The New England Journal of Medicine</u> , Vol. 315, No. 26, pp. 1650-1659 (1986).
1/0	2	BAIRD et al., <u>Biochemical and Biophysical Research Communications</u> , Vol. 126, No. 1, pp. 358-364 (1985).
	3	LEIBOVICH et al., <u>NATURE</u> , Vol. 329, pp. 630-632 (1987)
1/0	4	FOLKMAN et al., <u>American Journal of Pathology</u> , Vol. 130, No. 2, pp. 393-400 (1988).
1/0	5	SMOLIN et al., <u>American Journal of Ophthalmology</u> , pp. 147-151 (1971).
1/0	6	LANIADO-SCHWARTZMAN et al., <u>The Journal of Biological Chemistry</u> , Vol. 269, No. 39, pp. 24321-24327 (1994).
1/0	7	CARLBERG et al., <u>Carcinogenesis</u> , Vol. 17, No. 12, pp. 2589-2596 (1996).
1/0	8	CHAPMAN et al., <u>Ann. Rev. Cell Dev. Biol.</u> , 14, pp. 459-485 (1998).
1/0	9	CAI et al., <u>Journal of Cellular Physiology</u> , 177, pp. 282-288 (1998).

EXAMINER

Harold Owen

DATE CONSIDERED 4-8-03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED

NOV 07 2001

U.S. Department of Commerce
Patent and Trademark Office

Serial No.
09/779.447

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**
(Use several sheets if necessary)

Applicant
BANERJEE et al.

Filing Date
February 9, 2001

**Group
1614**

EXAMINER
INITIAL

DOCUMENT
NUMBER

DATE _____

NAME _____

CLASS

SUBCLASS

FILING DATE
IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT
NUMBER

DATE _____

COUNTRY

CLASS

SUBCLASS

TRANSLATION
YES
NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1 ³CHANG et al., Experimental Neurology, Vol. 137, pp. 201-211 (1996).

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P19850Serial No.
09/779,447

INFORMATION DISCLOSURE STATEMENT

BY APPLICANT

(Use several sheets if necessary)

Applicant
Dipak K. BANERJEE et al.Filing Date
February 9, 2001Group
1614

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

H/O	1	KLAGSBRUN et al., <u>Peptide Growth Factors and their Receptors II</u> , Angiogenesis, Chapter 37, pp. 549-586 (1990).
H/O	2	FOLKMAN, <u>Seminar in Cancer Biology</u> , Vol. 3, pp. 65-71 (1992).
H/O	3	MAHADEVAN et al., <u>Rev. Oncologica</u> , Vol. 29, pp. 97-103 (1990).
H/O	4	WEIDNER, <u>Seminars in Diagnostic Pathology</u> , Vol. 10, No. 4, pp. 302-313 (1993).
H/O	5	WEIDNER, <u>Current Opinion in Obstetrics and Gynecology</u> , 7, pp. 4-9 (1995).
H/O	6	WEIDNER, <u>Seminars in Diagnostic Pathology</u> , Vol. 12, No. 1, pp. 2-13 (1995).
H/O	7	FIDLER et al., <u>Advances in Cancer Research</u> , The Biology of Cancer Invasion and Metastasis, Vol. 28, pp. 149-250 (1978).
H/O	8	WEISS, <u>Fundamental Aspects of Metastasis</u> , Biophysical Aspects of the Metastatic Cascade, Chapter 3, pp. 51-70 (1976).
H/O	9	BERNSTEIN et al., <u>Current Opinion in Oncology</u> , 6, pp. 106-113 (1994).
H/O	10	FOLKMAN, <u>Thrombosis and Haemostasis</u> , Angiogenesis, 24, pp. 583-596 (1987).
H/O	11	LIOTTA et al., <u>Breast Cancer: Cellular and Molecular Biology</u> , pp. 223-238 (1988).
H/O	12	KERBEL et al., <u>Cancer Surveys</u> , Clonal Dominance of Primary Tumours by Metastatic Cells: Genetic Analysis and Biological Implications, Vol. 7, No. 4, pp. 597-629 (1988).
H/O	13	FOLKMAN, <u>Cancer Medicine</u> , Tumor Angiogenesis, Ch. 11, pp. 153-170 (1992).

EXAMINER

Samuel Quan

DATE CONSIDERED

4-8-03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P19850Serial No.
09/779,447INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

Applicant
Dipak K. BANERJEE et al.Filing Date
February 9, 2001Group
1614

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- | | | | |
|----|---|---|--|
| HO | 1 | 4 | 'FOLKMAN, <u>Important Advances in Oncology</u> , Angiogenesis and Its Inhibitors, pp. 42-62 (1985). |
| HO | 1 | 5 | 'GROSS et al., <u>Proceedings of the American Association for Cancer Research</u> , Vol. 31, page 79 (1990). |
| HO | 6 | | 'NICOSIA et al., <u>Clin. Expl. Metastasis</u> , Vol. 4, No. 2, pp. 91-104 (1986). |
| HO | 7 | | 'SENGER et al., <u>Cancer and Metastasis Reviews</u> , 12, pp. 303-324 (1993). |
| HO | 1 | 8 | 'KEAN, <u>Glycoconjugate Journal</u> , 13, pp. 675-680 (1996). |
| HO | 1 | 9 | 'ZIMMERMAN, <u>Yeast</u> , Vol. 12, pp. 765-771 (1996). |
| HO | 2 | 0 | 'LEE, <u>Current Opinion in Cell Biology</u> , Vol. 4, pp. 267-273 (1992). |
| HO | 2 | 1 | 'TIRASOPHON, <u>Genes & Development</u> , 12, pp. 1812-1824 (1998). |
| HO | 2 | 2 | 'MAJNO et al., <u>Cells, Tissues, and Disease: Principle of General Pathology</u> , Chapter 4, pp. 123-173 (1996). |
| HO | 2 | 3 | 'STRUCK et al., <u>The Biochemistry of Glycoproteins and Proteoglycans</u> , The Function of Saccharide-Lipids in Synthesis of Glycoproteins, Chapter 2, pp. 35-83 (1980). |
| HO | 2 | 4 | 'VINDELOV, <u>Virchows Arch. B Cell Path</u> , 24, pp. 227-242 (1977). |

EXAMINER

David Chen

DATE CONSIDERED

4-8-03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.
P19850

Serial No.
09/779447

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**
(Use several sheets if necessary)

Applicant
Dipak K. BANERJEE et al.

Filing Date
February 9, 2001

Group
1614

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

#0		1	SUGINO et al., "Stromal Invasion is Not Essential to Blood-borne Metastasis in Mouse Mammary Carcinoma", Scientific Program Booklet of the Pathological Society of Great Britain and Ireland, 170th Meeting, Abstract # 161 (1995).

EXAMINER

DATE CONSIDERED

4-2-03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.